

WHAT IS CLAIMED IS:

1. A reception apparatus for receiving an orthogonal frequency division multiplexed (OFDM) signal having, as a unit for transmission, a transmission symbol including an effective symbol generated on dividing the information into respective frequency components in a predetermined range and a guard interval generated on copying the signal waveform of a portion of said effective symbol, comprising:

Fourier transform means for extracting a processing range corresponding to a period of said effective symbol from said transmission symbol and Fourier transforming the extracted processing range to demodulate the information;

window control means for controlling the said processing range;

input means for a user to input the selective inputting information for selecting the OFDM signal to be received;

storage means for storing the information on the length of said guard interval in association with said selective inputting information input by a user; and

control means for reading out said information on the guard interval length responsive to the selective inputting information as input for affording the guard interval length information thus read out to said window control means;

wherein said window control means controlling the processing range, at the time of starting the reception, based on the guard interval length information supplied from said control means.

2. The reception apparatus according to claim 1, wherein said control means detects

the guard interval length of the OFDM signal being received to store the guard interval length as detected in association with the selective inputting information for specifying the OFDM signal being received.

3. The reception apparatus according to claim 1, wherein transmission control information is quadrature modulated in a sub-carrier of said OFDM signal, further comprising:

a transmission control information decoding means for decoding the transmission control information from said Fourier-transformed information;

said storage means stores the decoded transmission control information in association with the selective inputting information,

said control means reading out the transmission control information from said storage means responsive to said selective inputting information from the user to set a demodulating scheme and/or a decoding scheme for the OFDM signal received based on the read-out transmission control information.

4. A reception apparatus for receiving an orthogonal frequency division multiplexed (OFDM) signal comprised of the transmission control information quadrature modulated on a sub-carrier, comprising:

Fourier transform means for Fourier-transforming the received OFDM signal to demodulate the information;

transmission control information decoding means for decoding the transmission control information from the Fourier transformed signal;

input means for inputting from a user the selective inputting information for selecting the OFDM signal to be received;

storage means for storing said transmission control information in association with said selective inputting information input by the user; and

control means for reading out said transmission control information responsive to said selective inputting information as input to set a demodulating scheme and/or a decoding scheme for the received OFDM signal based on the read-out transmission control information.

5. The reception apparatus according to claim 4 wherein said control means detects the transmission control information of OFDM signal being received and stores detected transmission control information in said storage means in association with the selective inputting information specifying the OFDM signal being received.